FIG. 1-A

```
   1  ctcgcgttag gcaggtgaca gcaggacat  gtctcgggag atgcaggatg tagacctcgc
  61  tgaggtgaag cctttggtgg agaaagggga gaccatcacc ggcctcctgc aagagtttga
 121  tgtccaggag caggacatcg agactttaca tgcctctgtt cacgtcacgc tgtgtgggac
 181  tccaaggga  aaccggcctg tcatcctcac ctatcatgac atcggcatga accacaaaac
 241  ctgctacaac ccctcttca  actacgagga catgcaggag atcaccagc  actttgccgt
 301  ctgccacgtg gacgccctg  accagcagga cggcgcagcc tccttcccg  caggtacat
 361  gtacccctcc atggatcagc tggctgaaat gcttcctgga gtccttcaac agtttgggct
 421  gaaaagcatt attggcatgg gaacaggagc aggcgcctac atcctaactc gatttgctct
 481  aaacaaccct gagatggtgg agggccttgt ccttatcaac gtgaacctt  gtgcggaagg
 541  ctggatggac tggccgcct  ccaagatctc aggatggacc caagctctgc cggacatggt
 601  ggtgtcccac cttttggga  aggagaaat  gcagagtaac gtggaagtgg tccacaccta
 661  ccgccagcac attgtgaatg acatgaaccc cggcaacctg cacctgttca tcaatgccta
 721  caacagccgg cgcgacctgg agattgagcg accaatgccg ggaaccacca cagtcaccct
 781  gcagtgccct gctctgttgg tggttgggga cagctcgcct gcagtggatg ccgtggtgga
 841  gtgcaactca aaattggacc caacaaagac cactctcctc aagatggcgg actgtggcgg
 901  cctcccgcag atctcccagc cggccaagct cgctgaggcc ttcaagtact tcgtgcaggg
 961  catgggatac atggcctcgg ctagcatgac ccgcctgatg cggcctctgg cagcctctgg
1021  ttccagcgtc acttctctgg atggcacccg cagccgctcg cacaccagcg agggcacccg
1081  aagccgctcc cacaccagcg agggcacccg cagccgctcg cacaccagcg aggggcccca
1141  cctggacatc accccccaact cgggtgctgc accatgccg  gccgggccca agtccatgga
1201  ggtcctcctgc taggcggcct gccagcgtgc cgcccccgga ctctgatctc tgtagtggcc
1261  ccctctcccc cggccccttt tcgccccctg cctgccatac tgcgcctaac tcggtattaa
1321  tccaaagctt attttgtaag agtgagctct ggtggagaca aatgaggtct attacgtggg
1381  tgcctctcc  aaaggcgggg tgcggtgga  ccaaaggaag gaagcaagca tctccgcatc
1441  gcatcctctt ccattaacca gtggccggtt gccactctcc tcccctccct cagagacacc
```

FIG. 1-B

```
A - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - A
1501  aaactgccaa  aaacaagacg  cgtagcagca  cacacttcac  aaagccaagc  ctagccgcc
1561  ctgagcatcc  tggttcaaac  gggtgcctgg  tcagaaggcc  agccgcccac  ttcccgtttc
1621  ctcttttaact ctcttttaact gaggagaagc  tgatccagtt  tccggaaaca  aaatcctttt  ctcatttggg
1681  gagggggta  atagtgacat  gcaggcacct  cttttaaaca  ggcaaaacag  gaaggggaa
1741  aaggtgggat  tcatgtcgag  gctagaggca  tttggaacaa  caaatctacg  tagttaactt
1801  gaagaaaccg  attttttaaag  ttggtgcatc  tagaaagctt  tgaatgcaga  agcaaacaag
1861  cttgatttt   ctagcatcct  cttaatgtgc  agcaaaaagca  ggcgacaaaa  tctcctggct
1921  ttacagacaa  aaatatttca  gcaaacgttg  ggcatcatgg  tttttgaagg  ctttagttct
1981  gctttctgcc  tctcctccac  agcccccaacc tccacccct   gatacatgag  ccagtgatta
2041  ttcttgttca  gggagaagat  catttagatt  tgtttttgcat tccttagaat  ggaggcaac
2101  attccacagc  tgccctggct  gtgatgagtg  tccttgcagg  ggccggagta  ggagcactgg
2161  ggtggggtg   gaattggggt  tactcgatgt  aaggattcc   ttgttgttgt  gttgagatcc
2221  agtgcagttg  tgatttctgt  ggatcccagc  ttggttccag  gaatttgctt  tgattggctt
2281  aaatccagtt  ttcaatcttc  gacagctggg  ctggaacgtg  aactcagtag  ctgaacctgt
2341  ctgacccgt   cacgttcttg  gatcctcaga  actctttgct  cttgtcgggg  tggggtggg
2401  aactcacgtg  gggagcggtg  gctgagaaaa  tgtaaggatt  ctggaataca  tattccatgg
2461  gactttcctt  ccctctcctg  cttcctcttt  tcctgctccc  taaccttctcg ccgaatgggg
2521  cagcaccact  gacgtttctg  ggcggccagt  gcggctgcca  ggttcctgta  ctactgcctt
2581  gtactttca   ttttggctca  ccgtggattt  tctcatagga  agttggtca   gagtgaattg
2641  aatatttgtaa gtcagccact  gggacccgag  gattttttggg accccgcagt  tgggaggagg
2701  aagtagtcca  gccttccagg  tggcgtgaga  ggcaatgact  cgttacctgc  cgccatcac
2761  cttggaggcc  ttccctggcc  ttgagtagaa  aagtcgggga  tcggggcaag  agaggctgag
2821  tacggatggg  aaactattgt  gcacaagtct  ttccagagga  gtttcttaat  gagatatttg
2881  tatttatttc  cagaccaata  aatttgtaac  tttgcaaata  aaaaaaaaaa  aaaaaaaaa
2941  aaaaaaaaaa  aaaaaaaaaa  aa
A - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - A
```
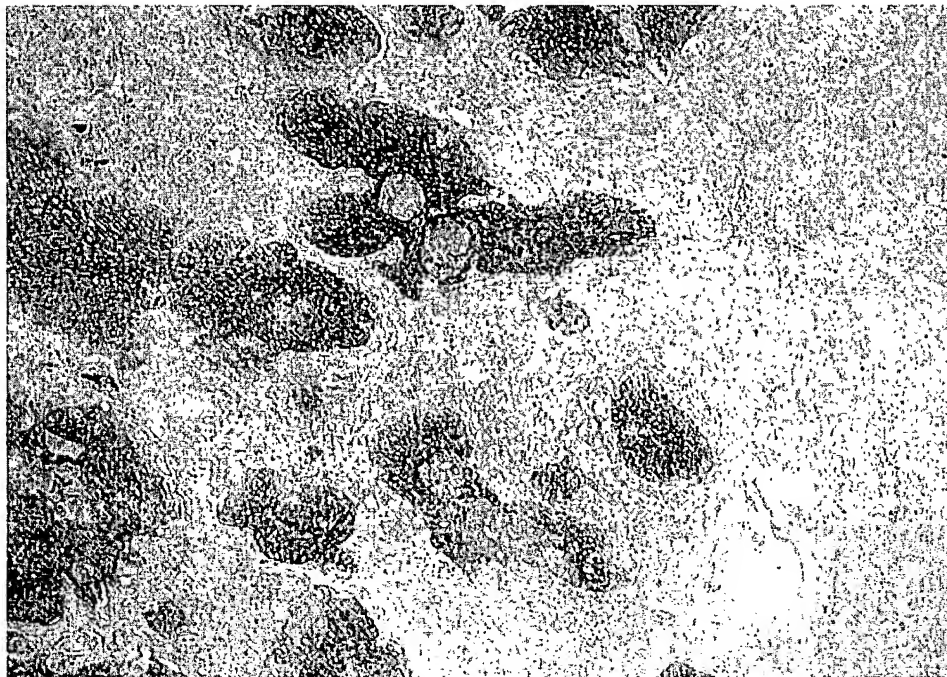
FIG. 1-C

```
  1 msremqdvdl aevkplvekg etitgllqef dvqeqdietl hgsvhvtlcg tpkgnrpvil
 61 tyhdigmnhk tcynplfnye dmqeitqhfa vchvdapgqq dgaasfpagy mypsmdqlae
121 mlpgvlqqfg lksiigmgtg agayiltrfa lnnpemvegl vlinvnpcae gwmdwaaski
181 sgwtqalpdm vvshlfgkee mqsnvevvht yrqhivndmn pgnlhlfina ynsrrdleie
241 rpmpgthtvt lqcpallvvg dsspavdavv ecnskldptk ttlkmadcg glpqisqpak
301 laeafkyfvq gmgympsasm trlmrsrtas gssvtsldgt rsrshtsegt rsrshtsegt
361 rsrshtsega hlditpnsga agnsagpksm evsc
```
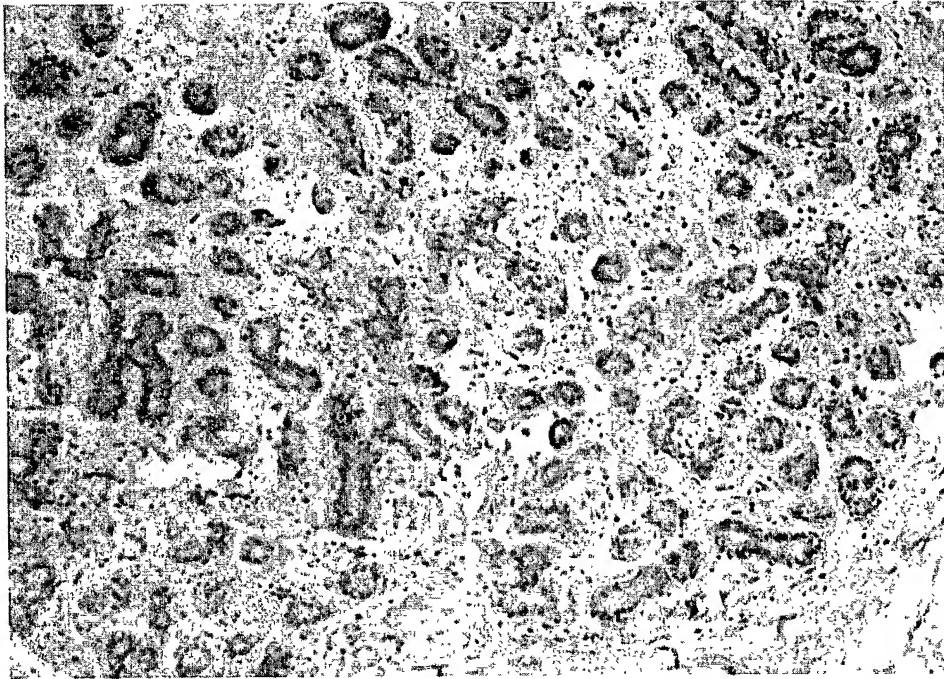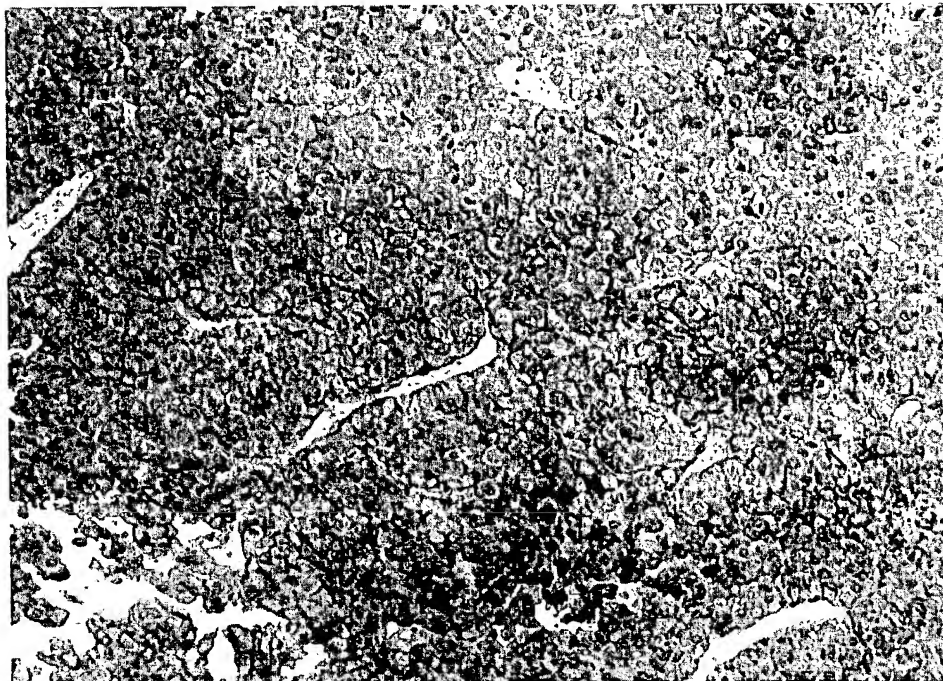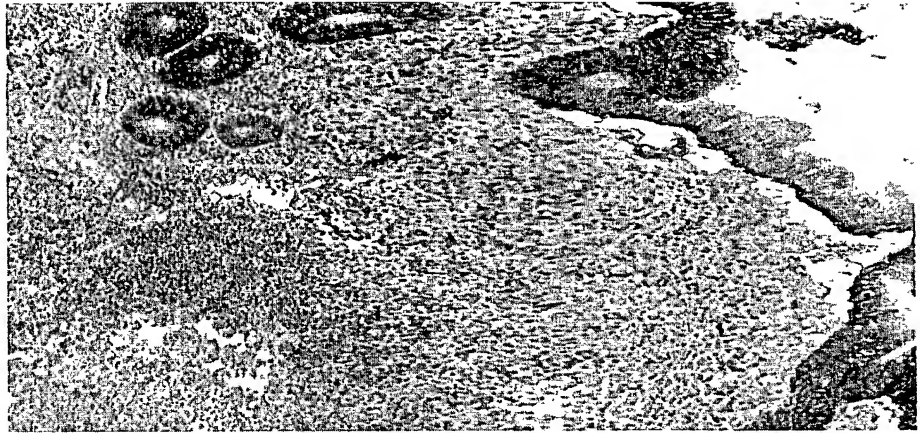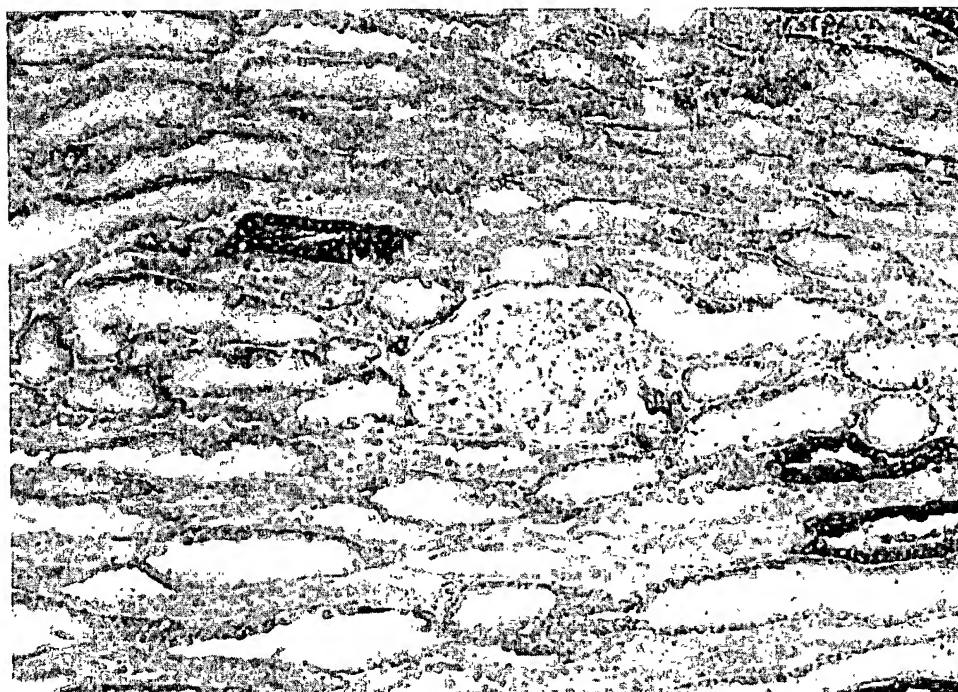
FIG. 2A

FIG. 2B

FIG. 3A

FIG. 3B

FIG. 4A

FIG. 4B

FIG. 4C

FIG. 5A

FIG. 5B

FIG. 6A

FIG. 6B

FIG. 7A

FIG. 7B

FIG. 7C

FIG. 8A

FIG. 8B

FIG. 8C

FIG. 8D

FIG. 9

| | A | | | | | B | | C |
| SW620 | KM12 | HCT19 | HCC2998 | HCT116 | A549 | NCI-H460 | M14 |
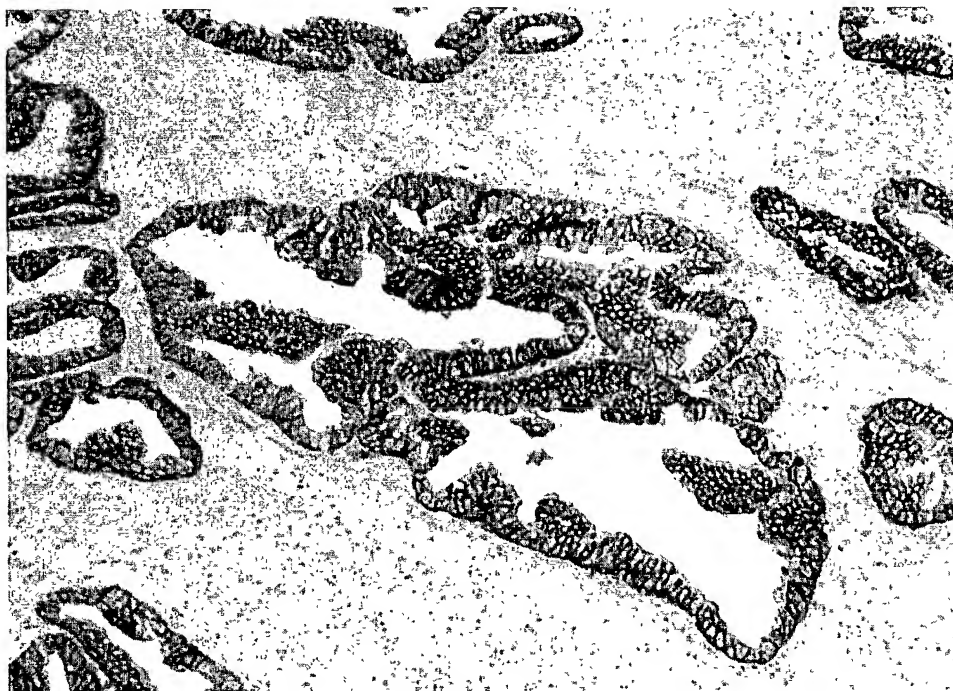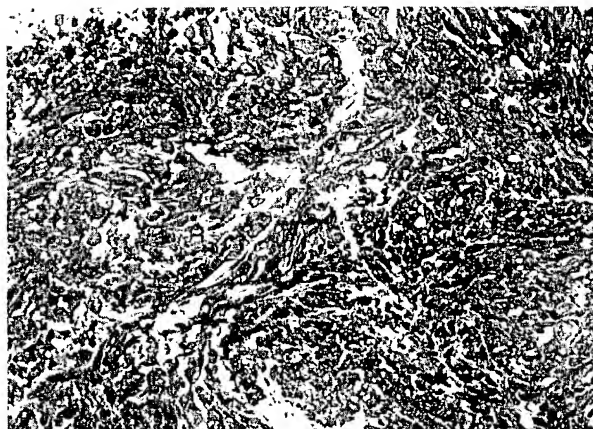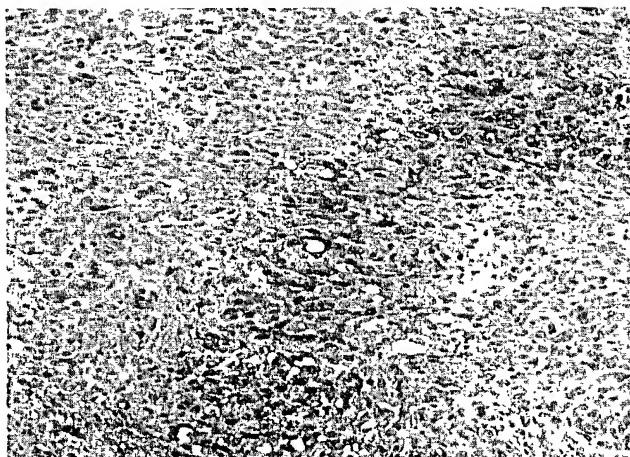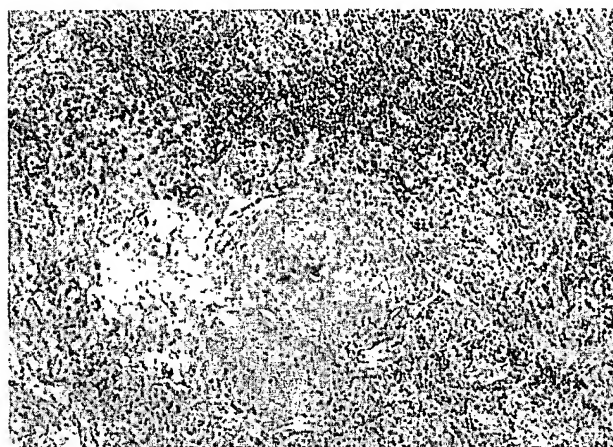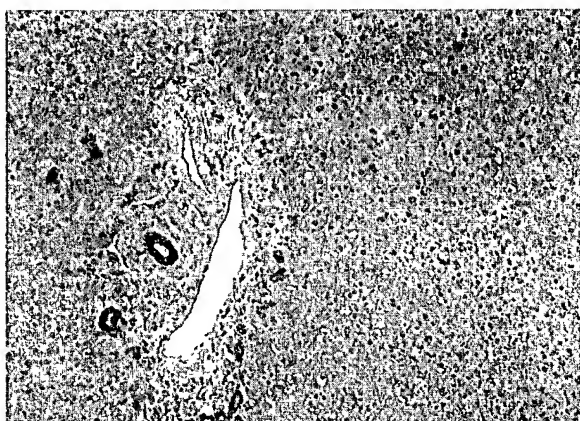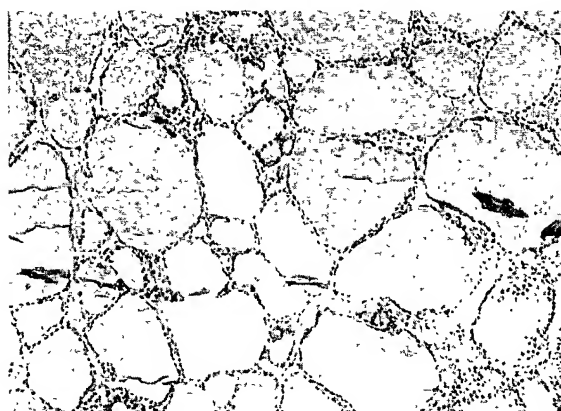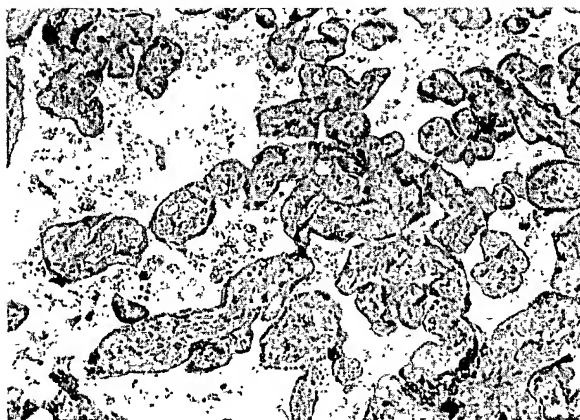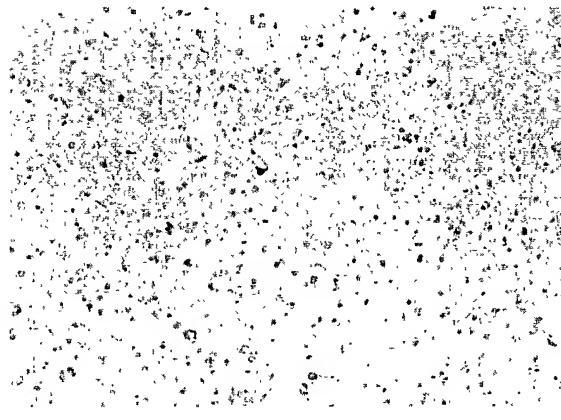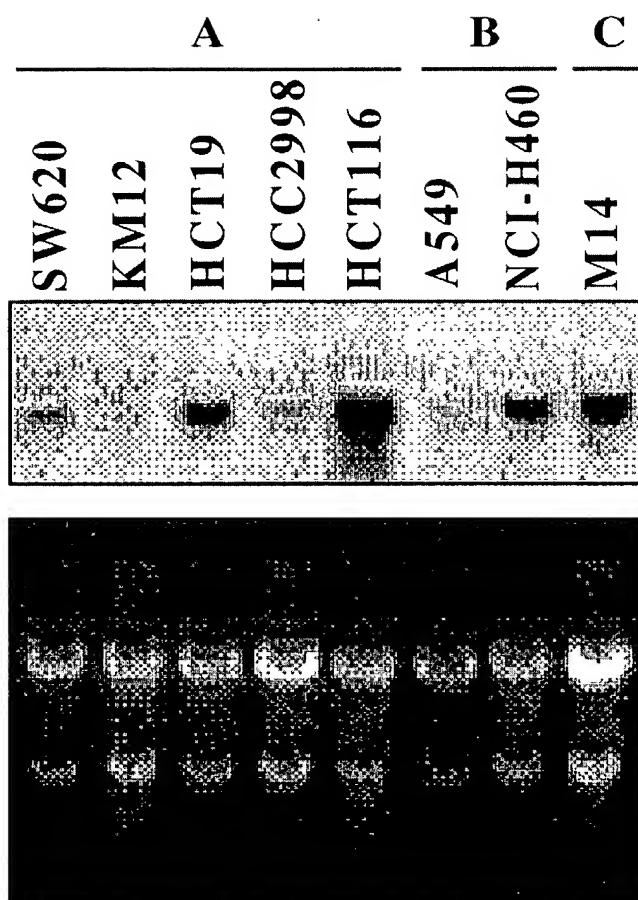
A - Colon Carcinomas

B - Lung Adinocarcinomas

C - Melanomas

FIG. 10-A

```
tttcatcttt  tttgtagaga  tgggacatca  ctatgttgtg  aaggctggtc  tcaaactcct   60
ggactcaaga  gaggcttctg  cattggcctc  ccaaagtgct  gggattacag  gtgtaagcca  120
ctctacctgg  acacaacatt  ttatttgaaa  taagaaaaat  tttccctcac  tgggaatgct  180
gcagttgaac  tagttcaaat  ccataaagaa  tggaagactg  cccagtggtc  attcattcac  240
ttattaattc  tagatgttaa  attttctagg  gtgggggaat  gtgctcctac  attcaaggca  300
ttcttgaatg  tagccaaact  ttgtagttta  gccaaacttc  atagctaata  gccaaacttt  360
gtagtttagc  caaactcttc  tagcagcaaa  acccatgaca  ctggaactct  gttcttcaca  420
ctggtcattt  gtaatagaat  aacagagctt  tagcactaga  taggttctga  aagatcattg  480
aatctaatcc  tctccctttg  ccagtgagaa  ttctgaagcc  cagatttgtt  gatttgtgat  540
cgatagtgtc  aaagacaggc  ctgaaacaca  gatgtcctgg  gtcctagagg  tgctgtttgc  600
ccctctccat  atttcttttg  ttccagaaaa  cccttctcca  aaactggccc  taataatcag  660
aggggaaagc  catggcccct  gccttgggga  cagcatgggt  tggcacagaa  aagaggttta  720
caattcagca  ggaagtgttg  tgcgtgcgcg  cgtgtgtgtc  tgtggaggcg  caggagggt   780
```

A — A

FIG. 10-B

```
A ------------------------------------------------------------
  cacctgagct  tgccctgggt  ctggtcctgg  gctcagtggc  aaattcaacg  ctgggcaggt   840

  ggcctgagga  caatgacggt  gccagctgtg  agtcagactt  cctttattca  taaaatcatg   900

  ttcctccatg  cagtgcttct  caacctggct  gcacgtcagg  agccacctgg  gtagctttgt   960

  aaaaacccca  atgcccagtt  ggtttgcacc  ccctgagatt  ctgattaaac  tgttctggag  1020

  tccatctctc  tctttttatt  atctatctat  ttatttattt  tttaatttgg  cggctccctct  1080

  gggacttctc  atatgcagta  ggggttgaga  attgctggtt  tctttggcca  gatgggaaca  1140

  tgcaggccaa  tagttacgca  caaacagagc  agcagagcag  gacggtgcta  aggttggaaa  1200

  gggtgagtca  tgaaagttca  ggaaatcaga  ataggaaggg  gtgagaatcc  tctcatctgg  1260

  gcttgtgggg  caggagagaa  gagcccagtg  ggcaaggtcc  agtgagtgtg  cttagaactg  1320

  ggaagatgag  gggaagggta  agcgctgggc  ggcggtgggc  aatatggacg  agattaaacg  1380

  ggagcgagga  tttcagcgag  agctttggcg  acacggaagg  ctgagaatcg  gaggagcct   1440

  gtcgggcgaa  agcgaaggcg  gctgctgggc  aggcagccga  atccggctgg  agagccgagc  1500

  tggtgagacc  tacaggaagt  gctcaggggcg gaagggagtc  tggcgcaacg  agactcttag  1560
B ------------------------------------------------------------
```

FIG. 10-C

```
B----------------------------------------------------------B
      aagaaactct  gaggcagaga  tggggggcct  cgcccatac  ggajacacaa  ggaagtccac  1620
      atgcacacgc  acgagcgcgc  acatgaacac  gcacaagcac  acaaacgcct  cctccgggca  1680
      gggcacacgc  gcccgctgca  caggccgagg  ccctggactc  ggaggggact  gcagagccga  1740
      cccacaaccc  gggccccgat  gccctcccg   tacgactgct  tgcgcaacag  1800
      gcgggggctc  cagtgggcgc  ccgccgcgcg  ctgccggagc  ccagcccagc  ccggcgcgcc  1860
      cgggaggagg  gagcaggggg  cggggaaggg  gtgtgtcccg  gctgcgtgct  ggactgcga   1920
      gggtctggga  ggggcgaggc  gcggggcgg   ggccgcggcg  cctataaagt  cgccctccgc  1980
      ccggacgtaa  acaaacctcg  cctggctccc  agctggtgct  gaagctcgtc  agttcaccat  2040
      ccgccctcgg  cttccgcggg  gcgctgggcc  gccagcctcg  gcaccgtcct  ttcctttctc  2100
      cctcgcgtta  ggcaggtgac  agcagggcAT  G  2131
```
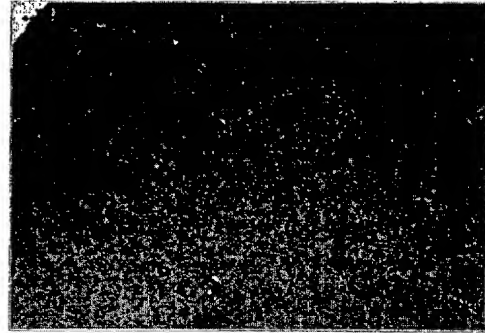
FIG. 11A

FIG. 11B

FIG. 11C

FIG. 11D
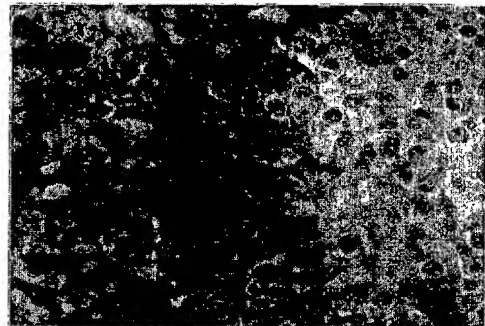
FIG. 11E
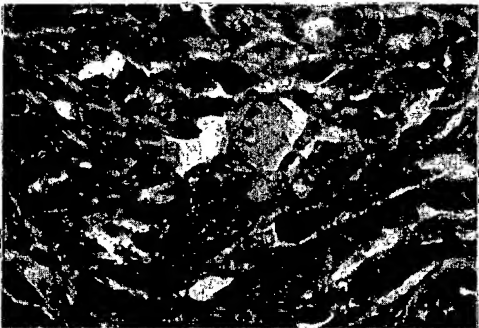
FIG. 11F
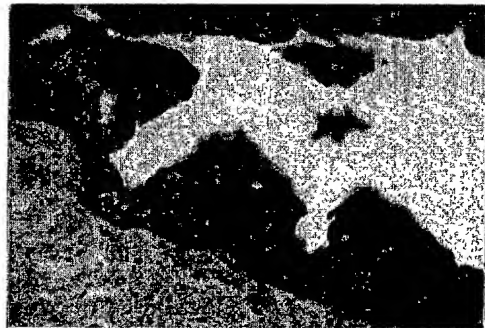
FIG. 11G
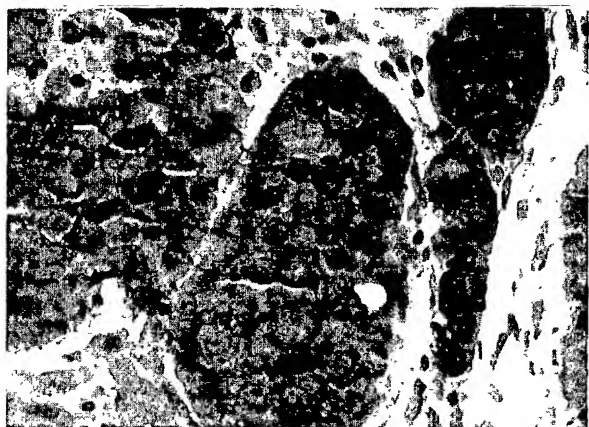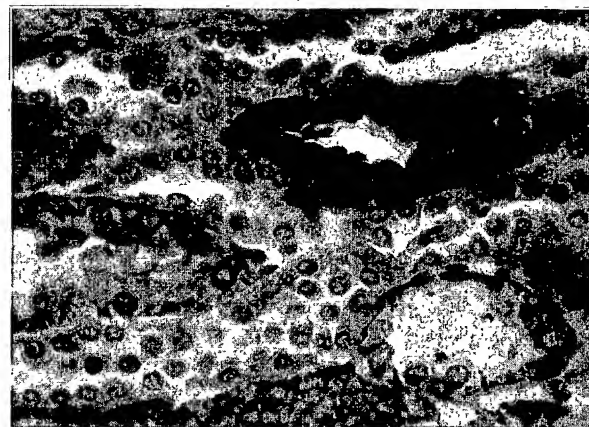
FIG. 11H

FIG. 11I

FIG. 11J
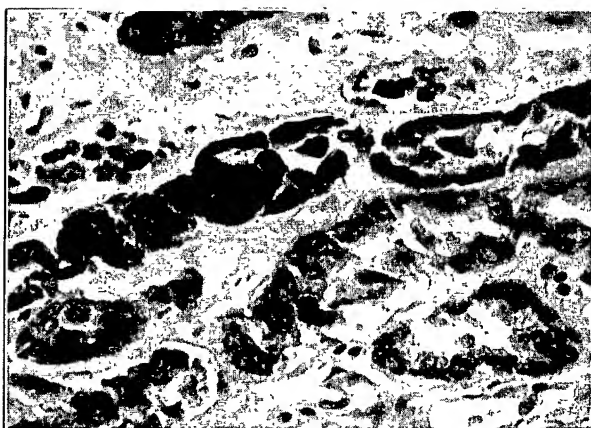
FIG. 11K
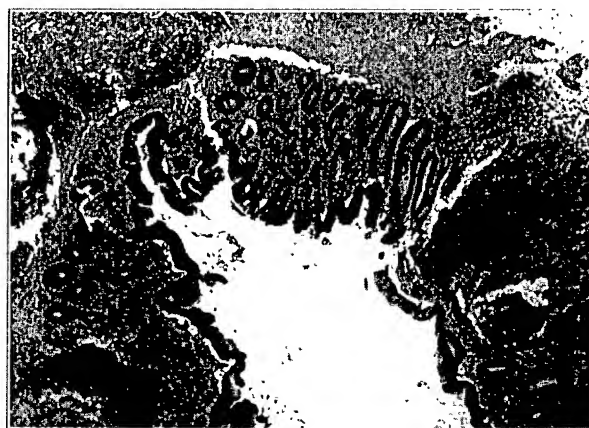
FIG. 11L

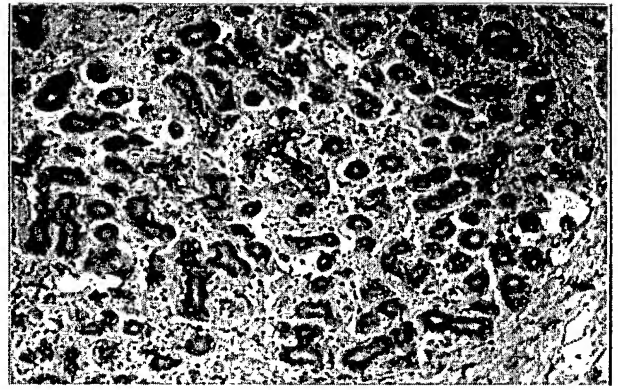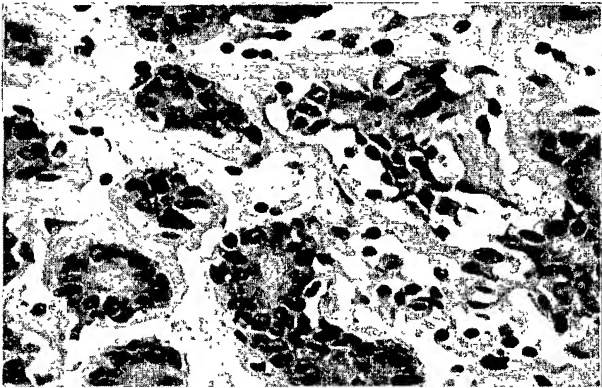## FIG. 11M
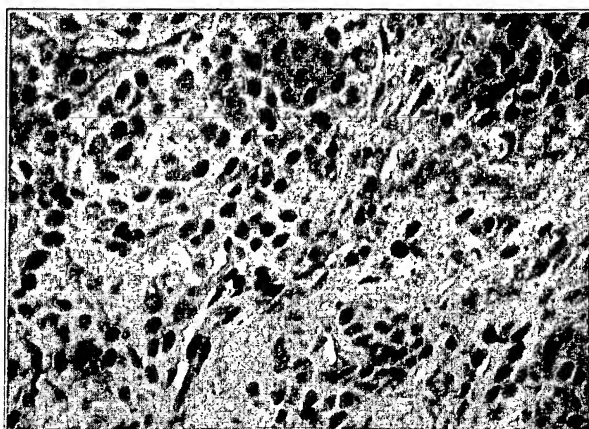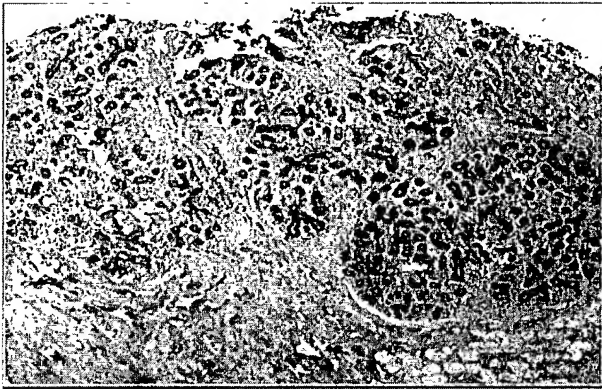
FIG. 12A

FIG. 12B

FIG. 12C

FIG. 12D

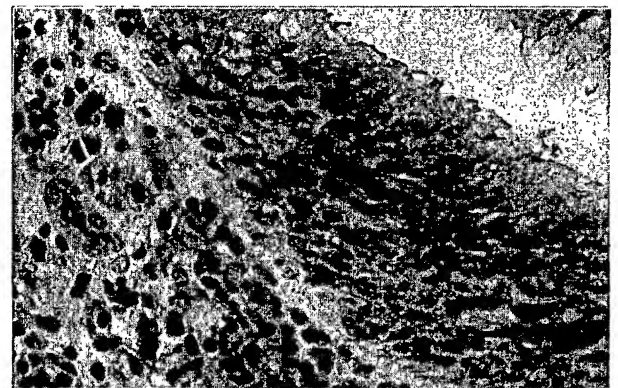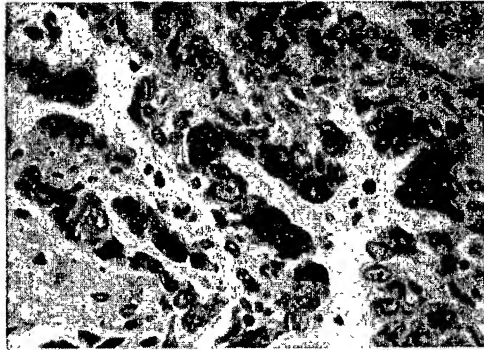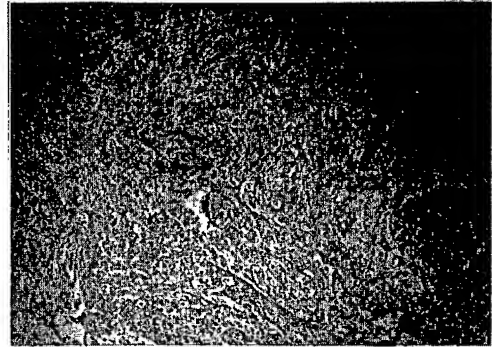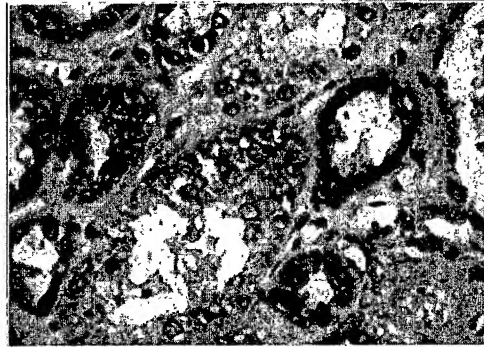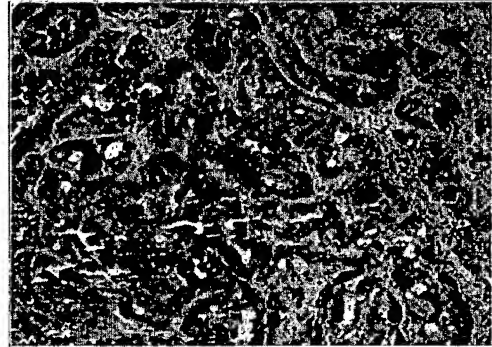## FIG. 12E

FIG. 13A

FIG. 13B

FIG. 13C

FIG. 13D

FIG. 13E

FIG. 13F

FIG. 13G